ABSTRACT OF THE DISCLOSURE

A support system realizing reduction of a period of
developing an embedded software and minimization of the
number of designing steps to increase the developing
efficiency by concurrently executing the designing of a
mechanism and the developing of the embedded software.
The system includes a three-dimensional-mechanism model
simulating section, in which the mechanism is structured
as a three-dimensional-mechanism model, for simulating an
operation of the mechanism, an embedded software
developing section for developing a control program to
control the designing and operation of the mechanism in
parallel to each other, a first interface section for
inputting designing data from the mechanism designing
section to the three-dimensional-mechanism model
simulating section for being dynamically reflected on the
three-dimensional-mechanism model, and a second
interface section for transferring data between the
three-dimensional-mechanism model simulating section and
the embedded software developing section while
synchronizing these two sections to each other. This
system is useful when applied in developing a control
program (embedded software) to be embedded in a mechanism,
such as CD changer, MD changer, printer or manipulator,
which includes at least an actuator and a sensor and
produces a three-dimensional motion.